

ABSTRACT

A control apparatus for a kite powered conveyance device. Port and starboard kite leads (28,32) and/or port and starboard kite control lines (30, 36) connect ends of a control bar (26, 26') to port and starboard ends of a kite (12). A tether guide (34, 34', 34'') is connected to one end of the control bar (26) or to one of the kite leads (28, 32). A harness (12) with a spreader bar (18) is adapted to be worn by a user of the kite powered conveyance device. An arm (20, 20') is connected to the spreader bar (18). A tether connector (42, 42') and a hook (22, 22') are rotatably mounted on the arm (20, 20') for rotation about the longitudinal axis of the arm (20, 20'). The hook (22, 22') is hooked to the control bar (26, 26') to connect the control bar (26, 26') to the spreader bar (18). A tether (38) passes through the tether guide (34, 34', 34'') and has its first end connected to the tether connector (42, 42') and its second end connected to one of the Kite control lines (30, 36).